Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/27/2018 03/28/2018	Zach Jojola

		D .: ++					
LM Start		Rating **	Α	Issue No.		9	
LM End		Issue Type +	Ma	Location *		N/A	
Category Earthen Levee			GPS La	atitude	e/Longitude		
Calegory				Start		End	
Item	Operation	nce		0		0	
пеш	Manuals				0		0
DWR ID	DWR ID DWR_RD1500_01_s _ 2013_9						
		Comn	nent Cod	le			
		Inspecto	or Comm	nent			
RD 1500 h	as their O	&M Manual.					

No Photos

LM Start		Rating **	Α	Issue No.		55							
LM End		Issue Type +	Ma	Location *		N/A							
Category Earthen Levee				GPS Latitude/Longitude									
Calegory	Category					End							
Item	Emergend			0		0							
пеш	Equipmen	nt			0		0						
DWR ID	DWR_RD1	500_01_s _ 201	3_55										
		Comn	nent Cod	le									
	Inspector Comment												
RD 1500 maintains a stockpile of flood response material.													
					· '								

No Photos

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type
Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

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Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/27/2018 03/28/2018	Zach Jojola

LM Start		Rating **	Α	Issue No.		61	
LM End		Issue Type +	Ma	Location *		N/A	
Category Earthen Levee				GPS La	atitud	le/Longitude	
Calegory			Start		End		
Item	Flood Pre	Flood Preparedness & Training			0		0
пеш					0		0
DWR ID	DWR_RD1	500_01_s _ 201	3_61				
		Comn	nent Cod	le			
		Inspecto	or Comm	ent			
RD 1500 is	s current w	ith it's flood re	esponse	plans and t	rain	ing.	

No Photos

LM Start	0.07	Rating **	М	Issue No.		137
LM End	0.07	Issue Type +	Ма	Location *		LS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory			Start		End	
Trim / Thin Trees				38.761077°		38.761077°
item				-121.6758	51 °	-121.675851 °
DWR ID	DWR_RD1	500_01_f _ 201	6_137			
Comment Code						
T1: Trim t	rees to at	least five feet	above g	round level.		

Inspector Comment

Trim limbs on landside slope.

LM Start	0.07	Rating **	М	Issue No.	137 (cont)
LM End	0.07	Issue Type +	Ma	Location *	LS

Photo 1 of 2 : SP_2018_RD1500_189_137_20180329_00241.jpg



View of tree over the landside slope. Spring 2018.

Photo 2 of 2 : SP_2018_RD1500_189_137_20180306_00072.jpg



A tree on landside slope needs trimming. Fall 2016.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/27/2018 03/28/2018	Zach Jojola

LM Start	0.25	Rating **	A/W	Issue No.		101
LM End	0.25	Issue Type +	Ма	Location *		LS
Category	evee	GPS Latitude/Longitude				
Calegory	Category				Start	
Item	Animal Co	ontrol		38.76238	5°	38.762385
пеш				-121.67842	8°	-121.678428
DWR ID	DWR ID DWR_RD1500_01_f _ 2017_101					

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Single hole on landside slope. Recommend monitoring due to high rodent activity in area.

No Photos



View of rodent holes on landside slope. Spring 2017.

LM Start	0.26	Rating **	М	Issue No.		155
LM End	0.26	Issue Type +	Ма	Location *		LS
Category	evee	GPS Latitude/Longitude				
Calegory				Start		End
Item	Animal Co	ontrol		38.7625	84°	38.762584
iteiii				-121.6785	42 °	-121.678542
DWR ID DWR_RD1500_01_s _ 2017_155						

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

LM Start	0.29	Rating **	М	Issue No.		152
LM End	0.29	Issue Type +	Ma	Location *		LS
Category	evee	GPS Latitude/Longitude				
Calegory			Start		End	
Item	Animal Co	ontrol		38.7629	45 °	38.762945 °
пеш				-121.6788 ⁻	12 °	-121.678812 °
DWR ID DWR_RD1500_01_f _ 2017_152						

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment



View of rodent holes on landside slope. Spring 2017.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/27/2018 03/28/2018	Zach Jojola

LM Start	0.32	Rating **	М	Issue No.		135	
LM End	0.32	Issue Type +	Ма	Location *	LS		
Category	Earthen L	evee		GPS La	atituc	le/Longitude	
Calegory				Start		End	
Item	Animal Control				65°	38.763265 °	
пеш			-121.679075 °		-121.679075 °		
DWR ID	DWR_RD1500_01_f _ 2016_135						
Comment Code							
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.							
Inspector Comment							
Rodent hole halfway down landside slope.							
'							

LM Start	0.32	Rating **	М	Issue No.	135 (cont)
LM End	0.32	Issue Type +	Ma	Location *	LS



Update view of hole on landside slope. Fall 2017.

Photo 2 of 2: SP_2018_RD1500_189_135_20180306_00071.jpg



Rodent activity on LS slope. Fall 2016.

LM Start	0.34	Rating **	М	Issue No.		151		
LM End	0.34	Issue Type +	Ma	Location *				
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Animal Control				73°	38.763473°		
пеш				-121.679300 °		-121.679300 °		
DWR ID DWR_RD1500_01_s _ 2017_151								
Comment Code								
A3 : No ro	dents visib	le, but rodent	burrows	visible; ne	ed to	backfill and		
compact of	r grout bur	rows.						
Inspector Comment								

Photo 1 of 1: SP_2018_RD1500_189_151_20180306_00077.jpg



View of rodent holes on landside slope. Spring 2017.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/27/2018 03/28/2018	Zach Jojola

DWR ID DWR_RD1500_01_s _ 2017_149 Comment Code A3 : No rodents visible, but rodent burrows visible; need to backfill at compact or grout burrows. Inspector Comment	LM Start	0.37	Rating **	М	Issue No.		149		
Start End 38.763826 ° 38.7638 Item	LM End	0.37	Issue Type +	Ма	Location * LS				
Start End 38.763826 ° 38.7638 -121.679787 ° -121.6799	Catagory		.evee		GPS La	atitud	de/Longitude		
DWR ID DWR_RD1500_01_s _ 2017_149 Comment Code A3 : No rodents visible, but rodent burrows visible; need to backfill at compact or grout burrows. Inspector Comment	Calegory				Start		End		
DWR ID DWR_RD1500_01_s _ 2017_149 Comment Code A3 : No rodents visible, but rodent burrows visible; need to backfill at compact or grout burrows. Inspector Comment					38.7638	26°	38.763826		
Comment Code A3 : No rodents visible, but rodent burrows visible; need to backfill at compact or grout burrows. Inspector Comment	пеш		-121.679787 ° -121.679						
A3 : No rodents visible, but rodent burrows visible; need to backfill at compact or grout burrows. Inspector Comment	DWR ID DWR_RD1500_01_s _ 2017_149								
compact or grout burrows. Inspector Comment	Comment Code								
•			,	burrows	visible; nee	ed to	backfill and		
Hole at landside hinge point.	Inspector Comment								
	Hole at landside hinge point.								



View of rodent holes on landside slope. Spring 2017.

0.56	Rating **	Issue No.		72			
0.82	Issue Type +	Ма	Location *	WS			
Category Earthen Levee				GPS Latitude/Longitude			
Category			Start		End		
Vegetation				62 °	38.764638		
			-121.683167 ° -121.6876				
DWR ID DWR_RD1500_01_s _ 2018_72							
Comment Code							
	0.82 Earthen L Vegetatio	0.82 Issue Type + Earthen Levee Vegetation DWR_RD1500_01_s _ 201	0.82 Issue Type + Ma Earthen Levee Vegetation DWR_RD1500_01_s _ 2018_72	0.82 Issue Type + Ma Location * Earthen Levee GPS La Start Vegetation 38.7644 -121.6831 DWR_RD1500_01_s _ 2018_72 2018_72	0.82 Issue Type + Ma Location * Earthen Levee GPS Latitud Start 38.764462 ° -121.683167 ° DWR_RD1500_01_s _ 2018_72		

V8 : Environmental Requirements.

Inspector Comment



View of the revegetation site on the waterward side toe of the levee looking upstream. Spring 2016.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/27/2018 03/28/2018	Zach Jojola

					ı			
LM Start	0.56	Rating **	A/W	Issue No.	72 (cont)			
LM End	0.82	Issue Type +	Ma	Location *		WS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Category				Start		End		
Item	Vegetation				62°	38.764638 °		
пеш				-121.6831	67°	-121.687690 °		
DWR ID	WR ID DWR_RD1500_01_s _ 2018_72							
Comment Code								
V8 : Enviro	onmental F	Requirements.						
Inspector Comment								



Sign is located at the toe of the levee on the waterward side. Spring 2016.

LM Start	1.10	Rating **	М	Issue No.		100		
LM End	1.10	Issue Type +	Ма	Location *	LS			
Earthen Levee GPS Latitude/Longitude								
Calegory	Category					End		
Itom	Animal Co	38.767407°		38.767407 °				
пеш	Item				-121.691589° -			
DWR ID	DWR_RD1	500_01_s _ 201	8_100					
Comment Code								
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.								

Inspector Comment

Multiple holes on landside slope ad berm.





View of hole on landside hope. Fall 2017.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/27/2018 03/28/2018	Zach Jojola

LM Start	1.25	Rating **	М	Issue No.		99
LM End	1.25	Issue Type +	Ma	Location *	LS	
Category	Earthen L	evee		GPS La	atituc	de/Longitude
Category				Start		End
Item	Animal Co	ontrol		38.7692	74°	38.769274°
item				-121.6917	° 00	-121.691700°
DWR ID	DWR_RD1	500_01_f _ 201	7_99			
		Comn	nent Cod	le		
A3 : No roo compact o		le, but rodent rows.	burrows	visible; nee	ed to	backfill and
		Inspecto	or Comm	ent		
Multiple ro	dent holes	and mounds	on lands	ide slope.		

LM Start	1.25	Rating **	M	Issue No.	99 (cont)
LM End	1 25	Issue Type +	Ma	Location *	LS



opuated view of foderit fibles. Spring 2016

Photo 2 of 2: SP_2018_RD1500_189_99_20180306_00050.jpg



View of holes and mounds on landside slope. Fall 2017.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/27/2018 03/28/2018	Zach Jojola

LM Start	1.34	Rating **	A/W	Issue No.	6	
LM End	1.95	Issue Type +	Ма	Location *	WS	
Category				GPS La	titud	le/Longitude
Calegory		Start		End		
Item		CE Erosion S	Survey,	38.7703	90°	38.777282 °
пеш	DRAFT			-121.6905	53 °	-121.685841 °
DWR ID	DWR_RD1500_01_s _ 2016_6					
		Comn	nent Cod	le		

Inspector Comment

2006 - New erosion upstream, new bank failures near levee but still fairly wide berm in most places. 2008 - Large berm, questionable as to if it should remain in the inventory. 2010 - Minor new erosion, old cobble starting to fail. 2011 - Cobble continues to unravel and additional slumping. 2012 - Minor new erosion at bank mid point. 2013 - Minor new erosion. 2015: No observed changes. [2015 Site ID: SAC_86-3_L]



USACE 2013 Photo #1

LM Start	2.30	Rating **	A/W	Issue No.		2	
LM End	2.52	Issue Type +	Ma	Location *	WS		
Category			GPS La	titud	e/Longitude		
Category				Start		End	
Item	2015 USACE Erosion Survey,			38.7819	62 °	38.784936 °	
пеш	DRAFT			-121.6880	33 °	-121.690033 °	
DWR ID DWR_RD1500_01_s _ 2016_2							
Comment Code							

Inspector Comment

2010 - The upstream end of the repair site at 87.0. Repair did not extend far enough upstream. 2011 - New erosion pockets. 2012 - Minor new erosion at toe. 2013 - Minor new erosion. 2015: Significant new toe erosion. [2015 Site ID: SAC_87-1_L]

Photo 1 of 1: SP_2018_RD1500_189_2_20180306_00002.jpg



USACE 2013 Photo #1

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy

Ob : Design & System Obsolescence

En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/27/2018 03/28/2018	Zach Jojola

LM Start	3.09	Rating **	М	Issue No.		129	
LM End	3.09	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Encroachments			38.7911	78°	38.791178	0
пеш				-121.6856	68°	-121.685668	0
DWR ID	DWR_RD1	500_01_s _ 201	8_129				
		Comn	nent Cod	le			
TR : Tree	or limb						
		Inspecto	or Comm	nent			
Large tree	trunk on tl	he levee toe.					

No Photos

LM Start	3.92	Rating **	С	Issue No.		94	
LM End	3.92	Issue Type +	Ma	Location *		WS	
Category Earthen Levee				GPS Latitude/Longitude			
Calegory				Start		End	
Item	Encroach	ments		38.7973	93 °	38.797393	0
пеш				-121.6954	48 °	-121.695448	0
DWR ID	DWR_RD1	500_01_f _ 201	7_94				

Comment Code

TR: Tree or limb

Inspector Comment

Fallen tree on waterside slope.

No Photos

LM Start	4.36	Rating **	A/W	Issue No.		93
LM End	4.36	Issue Type +	Ма	Location *	LS	
Earthen Levee				GPS La	titud	le/Longitude
Category	itegory					End
Item	Animal Co	ontrol		38.80302	21 °	38.803021 °
пеш				-121.69863	34 °	-121.698634 °
DWR ID DWR_RD1500_01_f _ 2017_93						
		Comn	nent Cod	le		

A3 : No rodents visible, but rodent burrows visible; need to backfill and

compact or grout burrows.

Inspector Comment

Single hole less than 6" next to orchard found on landside slope. Recommend monitoring due to surrounding rodent activity.

Photo 1 of 1 : SP_2018_RD1500_189_93_20180306_00047.jpg



View of hole on landside slope. Fall 2017.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/27/2018 03/28/2018	Zach Jojola

LM Start	4.50	Rating **	М	Issue No.		127
LM End	4.50	Issue Type +	Ma	Location *	ocation *	
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Trim / Thi	n Trees		38.8037	59°	38.803759°
пеш			-121.701127°		-121.701127°	
DWR ID	DWR_RD1	500_01_s _ 201	8_127			
		Comn	nent Cod	le		
T1: Trim t	rees to at	east five feet	above g	round level.		
		Inspecto	or Comm	nent		

No Photos

ıde									
nd									
22787°									
22791°									
3									

No Photos

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy

Ob : Design & System Obsolescence

En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/27/2018 03/28/2018	Zach Jojola

LM Start	7.15	Rating **	М	Issue No.		217			
LM End	7.15	Issue Type +	Ма	Location *		LS			
Category	Earthen L	evee		GPS La	atitud	e/Longitude			
Calegory				Start		End			
Item	Trim / Thin Trees				19°	38.824119°			
пеш				-121.7227	76°	-121.722776°			
DWR ID DWR_RD1500_01_s _ 2018_217									
		Comn	nent Cod	le					
T1: Trim t	rees to at	least five feet	above g	round level					
Inspector Comment									



View of the trees on the landward side of the levee looking upstream. Spring 2016.

LM Start	8.33	Rating **	A/W	Issue No.		3		
LM End	8.47	Issue Type +	Ma	Location *	WS			
Category	Suppleme	ental		GPS La	atitud	le/Longitude		
Calegory				Start		End		
ltom	2015 USACE Erosion Survey,			38.8395	46°	38.840347		
пеш	DRAFT DRAFT				91 °	-121.726857		
DWR ID	DWR_RD1	500_01_s _ 201		·				
Comment Code								

Inspector Comment

1997 - Damage to cobble revetment on top left bank and toe damage. 2004 - Site is pretty minor. 2010 - Cobbles continue to deteriorate. 2011 - Minor new erosion at the toe. 2013 - Might be able to shorten due to deposition. 2015: Site shortened, downstream end has plenty of berm and deposited material, well vegetated. [2015 Site ID: SAC_92-8_L]



USACE 2013 Photo #1

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/27/2018 03/28/2018	Zach Jojola

LM Start	9.40	Rating **	A/W	Issue No.		74		
LM End	9.57	Issue Type +	Ма	Location *		WS		
Category	Earthen L	evee		GPS La	atitud	le/Longitude		
Category				Start		End		
Item	Vegetation				267°	38.852564°		
item			-121.723275 °		-121.723179°			
DWR ID DWR_RD1500_01_s _ 2012_74								
		Comn	nent Cod	de				
V8 : Enviro	onmental F	Requirements.						
			0	1				
		Inspecto	or Comm	nent				

LM Start	9.40	Rating **	A/W	Issue No.	74 (cont)
LM End	9.57	Issue Type +	Ma	Location *	WS



View of the revegetation site along the edge of the berm on the waterward side of the levee looking downstream. Spring 2016.

Photo 2 of 2: SP_2018_RD1500_189_74_20180306_00042.jpg



Sign for the revegetation site by USACE.

LM Start	9.71	Rating **	A/W	Issue No.		162		
LM End	9.71	Issue Type +	Ма	Location *		WS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Slope Sta	Slope Stability			64°	38.853564°		
item				-121.7253	79°	-121.725379°		
DWR ID	VR ID DWR_RD1500_01_s _ 2017_162							
		Comn	nent Cod	le				
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.								
Inspector Comment								
Area heavily accessed by homeless and fishermen. Recommend monitoring.								

Photo 1 of 1 : SP_2018_RD1500_189_162_20180306_00080.jpg



View of slope stability on waterside slope. Spring 2017.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/27/2018 03/28/2018	Zach Jojola

LM Start	11.45	Rating **	A/W	Issue No.		114	
LM End	11.45	Issue Type +	Ma	Location *	LS		
Category	Earthen L	evee		GPS La	titud	le/Longitude	
Calegory				Start		End	
Item	Slope Stability			38.8685	77 °	38.868577 °	
пеш		-121.74648	87 °	-121.746487°			
DWR ID DWR_RD1500_01_f _ 2015_114							
Comment Code							

S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.

Inspector Comment

The previous stairs in the photos have been filled in, but the slope remains an active access ramp. Recommend monitoring.

LM Start	11.45	Rating **	A/W	Issue No.	114 (cont)
LM End	11.45	Issue Type +	Ma	Location *	LS



Perspective view of the concrete box on the landward side of the levee looking upstream. Fall 2015.

Photo 2 of 3: SP_2018_RD1500_189_114_20180306_00059.jpg



There is erosion at the levee toe around the concrete box. There are also stairs leading down the slope. Fall 2015.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/27/2018 03/28/2018	Zach Jojola

LM Start	11.45	Rating **	A/W	Issue No.		114 (cont)	
LM End	11.45	Issue Type +	Ma	Location *	LS		
Category Earthen Levee				GPS Latitude/Longitude			
Calegory						End	
Item	Slope Sta	bility		38.8685	77°	38.868577	
пеш				-121.74648	37 °	-121.746487	
DWR ID	DWR_RD1	500_01_f _ 201	5_114				

Comment Code

S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.

Inspector Comment

The previous stairs in the photos have been filled in, but the slope remains an active access ramp. Recommend monitoring.



There is slight erosion on the waterward side of the levee where the pipe seems to run through the levee. Fall 2015.

LM Start	11.80	Rating **	A/W	Issue No.		19
LM End	11.98	Issue Type +	Ma	Location *		WS
Category			GPS Latitude/Longitude			
Calegory			Start		End	
Item		ACE Erosion S	Survey,	38.87185	3°	38.870581 °
пеш	DRAFT		-121.74933	0 °	-121.752059 °	
DWR ID DWR_RD1500_01_s _ 2016_19						

Comment Code

Inspector Comment

1997 - No toe on the large upstream rubble (mix of broken concrete, bricks, rock, and steal) - should be replaced. Oversized bank. 2001 - New slump at the downstream end. 2003 - Some minor bank retreat at the downstream end. 2004 - Some new retreat at the downstream end. 2006 - Some new erosion, mainly on the steep slope and scarps. (Pumping station is not part of the erosion site.) 2010 - Minor new erosion. 2011 - Minor new erosion at the toe. 2015: Fresh slumping. [2015 Site ID: SAC_95-8_L]

No Photos

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/27/2018 03/28/2018	Zach Jojola

LM Start	11.99	Rating **	A/W	Issue No.	1			
LM End	12.26	Issue Type +	Ma	Location *		WS		
Category				GPS Latitude/Longitude				
Calegory				Start		End		
Item		ACE Erosion S	Survey,	38.8704	74°	38.869139°		
пеш	DRAFT			-121.7522	37 °	-121.757108°		
DWR ID DWR_RD1500_01_s _ 2016_1								
	Comment Code							

Inspector Comment

2000 - Vertical Modesto Formation bank with mass failure. 2003 -Upstream end has some new bank retreat. 2004 - Upstream end is worse. 2006 - Some new erosion, mainly on the steep slope and scarps. (Pumping station is not part of the erosion site.) 2010 - Some new erosion and deposition at upstream end, definite encroachments. 2011 - Minor new erosion at the toe. 2015: Site removed, sufficient berm width. [2015 Site ID: SAC_96-2_L]



USACE 2013 Photo #1

LM Start	12.01	Rating **	A/W	Issue No.		116		
LM End	12.01	Issue Type +	Ma	Location *		LS		
Category Earthen Levee				GPS Latitude/Longitude				
Calegory				Start		End		
Item	Erosion /	Bank Caving		38.87073	30°	38.870730°		
пеш				-121.75290	08°	-121.752908°		
DWR ID	WR ID DWR_RD1500_01_s _ 2017_116							
	Comment Code							

E2: Schedule repair of erosion site prior to the next inspection.

Inspector Comment

Runoff erosion on landside levee slope.

Photo 1 of 1: SP_2018_RD1500_189_116_20180306_00061.jpg



View of erosion on landside slope. Spring 2017.

: Minimally Acceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain Issue Type

Ma: Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/27/2018 03/28/2018	Zach Jojola

LM Start	12.55	Rating **	М	Issue No.		2573	
LM End	12.55	Issue Type +	Ma	Location *			
Category				GPS Latitude/Longitude			
Calegory						End	
Item	DWR UC	IP LMA Respo	onsibility	38.8672	54°	38.867254 °	
пеш				-121.7612	12 °	-121.761212 °	
DWR ID	DWR ID						
	Comment Code						

Inspector Comment

FS_ID:50197 DS_ID:20063 EP_NO: 10061

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 08/29/2016 Same as last inspection. (K. FAzel - UCIP)01/10/2014 Needs proper abandonement. (P. Amatya - DWR) FIELD_STRUCT_DESC: *ABANDONED* 18-inch corrugated metal gravity drainage pipe through the levee, 15 feet below the crown. Slide gate in a 4-foot by 4-foot concrete box at the waterside (WS) toe. Concrete box at the landside (LS) toe. Pipe crosses overflow area to the river. Installed by USACE in 1944. (18-inch corrugated metal gravity drainage pipe through the levee and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10061, 1974 - Roger L. Matteoli). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 128, March 1960, (HLM 12.69)].

FS Date: 8/29/2016

LM Start	12.55	Rating **	М	Issue No.	2573 (cont)
LM End	12.55	Issue Type +	Ma	Location *	



WS view: slide gate (left) in concrete box at levee toe. Slide gate and the box mostly burried.

Photo 2 of 3: UCIP_SP_2018_50197_52424.jpg



LS view: concrete intake box on levee toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/27/2018 03/28/2018	Zach Jojola

LM Start	12.55	Rating **	М	Issue No.	:	2573 (cont)
LM End	12.55	Issue Type +	Ма	Location *		
Category	ental	GPS Latitude/Longitude				
Calegory		Start		End		
Item	DWR UC	IP LMA Respo	nsibility	38.86725	4°	38.867254 °
пеш				-121.76121	2 °	-121.761212 °
DWR ID						
	Comment Code					

Inspector Comment

FS_ID:50197 DS_ID:20063 EP_NO: 10061

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 08/29/2016 Same as last inspection. (K. FAzel - UCIP)01/10/2014 Needs proper abandonement. (P. Amatya - DWR) FIELD_STRUCT_DESC: *ABANDONED* 18-inch corrugated metal gravity drainage pipe through the levee, 15 feet below the crown. Slide gate in a 4-foot by 4-foot concrete box at the waterside (WS) toe. Concrete box at the landside (LS) toe. Pipe crosses overflow area to the river. Installed by USACE in 1944. (18-inch corrugated metal gravity drainage pipe through the levee and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10061, 1974 - Roger L. Matteoli). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 128, March 1960, (HLM 12.69)].

FS Date: 8/29/2016

Photo 3 of 3 : UCIP_SP_2018_50197_52423.jpg

LS view: silted CMP in concrete intake box on levee toe.

LM Start	12.57	Rating **	М	Issue No.	lo. 118	
LM End	12.57	Issue Type +	Ма	Location *		WS
Catagoria Earthen Levee			GPS La	titud	le/Longitude	
Category	gory			Start		End
Item	Erosion /	Bank Caving		38.8671	08°	38.867108°
item				-121.7614	98 °	-121.761498°
DWR ID	DWR ID DWR_RD1500_01_f _ 2015_118					
	Comment Code					

E2: Schedule repair of erosion site prior to the next inspection.

Inspector Comment



View of the erosion on the waterward side of the levee looking upstream. Fall 2015.

* Location

LS: Land Side N/A: Not Applicable

WS: Water Side

CR: Crown

Rating
A: Acceptable
M: Minimally Acceptable
U: Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy

Ob : Design & System Obsolescence

En: Enforcement

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Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/27/2018 03/28/2018	Zach Jojola

LM Start	13.98	Rating **	A/W	Issue No.		10	
LM End	14.26	Issue Type +	Ma	Location *		WS	
Category				GPS La	atitud	le/Longitude	
Calegory	ategory			Start		End	
Item		2015 USACE Erosion Survey,			39°	38.861899°	
пеш	DRAFT			-121.7837	71 °	-121.784057 °	
DWR ID	DWR_RD1	500_01_s _ 201	6_10				
	Comment Code						

Inspector Comment

1997 - Intermittent toe failure of the hand placed riprap; failure of toe materials. 2015: No observed changes. [2015 Site ID: SAC_99-0_L]



USACE 2013 Photo #1

LM Start	15.73	Rating **	A/W	Issue No.		2575
LM End	15.73	Issue Type +	Ma	Location *		
Category	Suppleme		GPS La	titud	le/Longitude	
Calegory				Start		End
Item	DWR UC	IP LMA Respo	onsibility	38.8715	95 °	38.871595°
item				-121.8036	48 °	-121.803648 °
DWR ID						·

Comment Code

Inspector Comment

FS_ID:50196 DS_ID:20011 EP_NO: 9337

Repair Type: No Action Needed

Crossing Status: Found

UCIP Comments: 08/29/2016 As it currently stands, there is no connection to the river, as, according to LMA, this pipe is used for irrigation of WS fields. (K. Fazel - UCIP)01/10/2014 No pipe found on river bank. (P. Amatya - DWR)

FIELD_STRUCT_DÉSC: 24-inch corrugated metal gravity irrigation pipe through the levee, 16 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Slide gate on a concrete U-shaped headwall at the landside (LS) toe. Per LMA, water is pumped into the LS canal via a LS pump upstream of the crossing. Water then flows through the CMP crossing by gravity for irrigation of WS fields. Permit is forthcoming with Dave Burrows of Winsept Farms as the applicant. (24-inch corrugated metal gravity irrigation pipe through the levee and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 9337, 1973 - Clauss [permit missing]). [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 128, March 1960, (HLM 15.89)].

FS Date: 8/29/2016

Photo 1 of 3 : UCIP_SP_2018_50196_52467.jpg



WS view: CMP riser with slide gate on levee slope.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/27/2018 03/28/2018	Zach Jojola

LM Start	15.73	Rating **	A/W	Issue No.	:	2575 (cont)
LM End	15.73	Issue Type +	Ма	Location *		
Category			GPS La	titud	le/Longitude	
Calegory				Start		End
Item	DWR UC	IP LMA Respo	onsibility	38.87159	95 °	38.871595 °
пеш				-121.80364	48 °	-121.803648 °
DWR ID						

Comment Code

Inspector Comment

FS_ID:50196 DS_ID:20011 EP_NO: 9337

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 08/29/2016 As it currently stands, there is no connection to the river, as, according to LMA, this pipe is used for irrigation of WS fields. (K. Fazel - UCIP)01/10/2014 No pipe found on river bank. (P. Amatya - DWR)

FIELD_STRUCT_DESC: 24-inch corrugated metal gravity irrigation pipe through the levee, 16 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Slide gate on a concrete U-shaped headwall at the landside (LS) toe. Per LMA, water is pumped into the LS canal via a LS pump upstream of the crossing. Water then flows through the CMP crossing by gravity for irrigation of WS fields. Permit is forthcoming with Dave Burrows of Winsept Farms as the applicant. (24-inch corrugated metal gravity irrigation pipe through the levee and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 9337, 1973 - Clauss [permit missing]). [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 128, March 1960, (HLM 15.89)].

FS Date: 8/29/2016

LM Start	15.73	Rating **	A/W	Issue No.	2575 (cont)
LM End	15.73	Issue Type +	Ma	Location *	



WS view: inside view of CMP riser with slide gate.

Photo 3 of 3: UCIP_SP_2018_50196_52465.jpg



LS view: CMP outlet with slide gate and U type headwall on levee toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/27/2018 03/28/2018	Zach Jojola

LM Start	18.38 Rating ** A/W		Issue No.		13	
LM End	19.06	Issue Type +	Ma	Location *		WS
Category	Suppleme	ental		GPS La	atitud	e/Longitude
Calegory			Start		End	
Item		ACE Erosion S	Survey,	38.9013	37°	38.902721 °
пеш	DRAFT			-121.8011	75 °	-121.790677 °
DWR ID	NR ID DWR_RD1500_01_s _ 2016_13					
Comment Code						

Inspector Comment

1997 - Pocket failures of cobble revetment toe; scallops of rock loss along the bank; irregular bankline developing. 2001 - Small scallops in the toe of the berm. 2005 - Still multiple erosion pockets in the toe. 2006 - Two new small slumps. 2011 - Old cobble continue to fail causing minor slumping. 2012 - Portions of site appears to be stabilizing. 2015: No observed changes. [2015 Site ID: SAC_104-0_L]



USACE 2013 Photo #1

LM Start	19.16	Rating **	A/W	Issue No.		5	
LM End	19.47	Issue Type +	Ma	Location *		WS	
Category	Suppleme	ental		GPS Latitude/Longitude			
Category			Start		End		
Item		CE Erosion S	Survey,	38.9040	41 °	38.906697 °	
item	DRAFT			-121.7902	98°	-121.792796 °	
DWR ID	R ID DWR_RD1500_01_s _ 2016_5						
Comment Code							

Inspector Comment

1997 - Cobbles eroded off the clay materials; not much evidence of erosion on the toe; cobble loss on the toe. 2011 - Some minor new erosion. 2015: No observed changes. [2015 Site ID: SAC_104-5_L]

Photo 1 of 1: SP_2018_RD1500_189_5_20180306_00005.jpg



USACE 2013 Photo #1

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/27/2018 03/28/2018	Zach Jojola

LM Start	20.97	Rating **	С	Issue No.		105		
LM End	20.97	Issue Type +	Ma	Location *		LS		
Cotogony	.evee	GPS La	atitud	e/Longitude				
Category				Start		End		
Item	Animal Co	ontrol		38.9108	50°	38.910850°		
пеш	item				19°	-121.804619 °		
DWR ID DWR_RD1500_01_f _ 2017_105								
		Comn	nent Cod	de				
A3 : No rocompact o		le, but rodent rows.	burrows	visible; ne	ed to	backfill and		
		Inspecto	or Comm	nent				
Rodent ho	Rodent hole and mound on landside slope.							

No Photos

LM Start	21.74	Rating **	М	Issue No.		115
LM End	21.84	Issue Type +	Ma	Location *		WS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Vegetatio	n		38.9161	28°	38.916341 °
пеш				121 0110	10 °	121 912644

DWR ID DWR_RD1500_01_s _ 2018_115

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

No Photos

LM Start	24.34	Rating **	М	Issue No.		97	
LM End	24.34	Issue Type +	Ma	Location *		LS	
Category	Earthen Levee		GPS Lati	tud	e/Longitude		
Calegory				Start		End	
Item	Trim / Thi	n Trees		38.938784	۱°	38.938784	0
item				-121.829405	0	-121.829405	0
DWR ID	DWR_RD1	500_01_f _ 201	7_97				

Comment Code

T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.

Inspector Comment

No Photos

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/27/2018 03/28/2018	Zach Jojola

LM Start	24.38	Rating **	М	Issue No.		102			
LM End	28.13	Issue Type +	Ma	Location *		WS			
Category	evee	GPS La	atitud	le/Longitude					
Calegory				Start		End			
Item	Vegetatio	n		38.9393	02°	38.981677 °			
пеш				-121.8295	48°	-121.820030 °			
DWR ID	DWR_RD1	500_01_s _ 201	8_102						
		Comn	nent Cod	le					
V1 : Contro	ol annual g	rass and wee	ds on th	e levee slo	pes a	and			
easements	S.								
		Inspecto	or Comm	nent					

No Photos

LM Start	24.97	Rating **	М	Issue No.		111		
LM End	25.02	Issue Type +	Ма	Location *		WS		
Category Earthen Levee				GPS Latitude/Longitude				
Calegory	tegory			Start		End		
Item	Vegetatio	/egetation		38.9456	72 °	38.946358 °		
Item				-121.8359	93 °	-121.835819 °		
DWR ID	DWR_RD1	500_01_s _ 201	8_111					
	Comment Code							
V1 : Contro	/1 : Control annual grass and weeds on the levee slopes and							

No Photos

easements.

Inspector Comment

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type
Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/27/2018 03/28/2018	Zach Jojola

LM Start	28.18	Rating **	М	Issue No.	95			
LM End	31.53	Issue Type +	Ma	Location *		WS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Vegetation			38.9824	60°	39.006748°		
пеш				-121.819955 °		-121.814709 °		
DWR ID	DWR_RD1	500_01_s _ 201	8_95					
		Comn	nent Cod	le				
V1 : Contro	ol annual g	grass and wee	ds on th	e levee slo	oes a	and		
easements	easements.							
	Inspector Comment							
	'							



View of vegetation on the waterside slope. Spring 2018

LM Start	30.60	Rating **	A/W	Issue No.		22	
LM End	30.75	Issue Type +	Ma	Location *		WS	
Category	Supplemental			GPS Latitude/Longitude			
Calegory				Start		End	
Item		CE Erosion S	Survey,	38.9997	45 °	39.001413 °	э
пеш	DRAFT			-121.8008	98 °	-121.802889 °	э
DWR ID	DWR_RD1	500_01_s _ 201	6_22				

Comment Code

Inspector Comment

2000 - Eroding, vertical berm slope over a vertical cohesive toe; slow erosion but getting close to the toe. 2002 - Erosion is getting close to the levee, still eroding with some new small slumps. 2004 - Some minor new erosion. 2006 - Some new erosion, cleaned off older scars and slump faces. 2008 - New, small, partial rotational failure. 2011 - Some new minor erosion. 2015: No observed changes. [2015 Site ID: SAC_116-0_L]

Photo 1 of 1: SP_2018_RD1500_189_22_20180306_00020.jpg



USACE 2013 Photo #1

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/27/2018 03/28/2018	Zach Jojola

LM Start	30.94	Rating **	A/W	Issue No.	15			
LM End	31.60	Issue Type +	Ма	Location *	WS			
Catagory	Category				GPS Latitude/Longitude			
Calegory				Start		End		
Item		ACE Erosion S	Survey,	39.00330)1 °	39.006072°		
пеш	DRAFT			-121.80502	24 °	-121.815926°		
DWR ID	DWR_RD1500_01_s _ 2016_15							
	Comment Code							

Inspector Comment

2003 - New sedimentation and some new small toe scallops at the upstream end; downstream end has some new erosion. 2004 - Some new erosion at the toe and upper bank and some small new rotational failures (mainly minor, except at the downstream end). 2007 - Some new slumps. 2009 - Some new scallops and site was extended upstream. 2010 - New deposition along upstream end of site, however there is also new erosion throughout the site. Site seems to be worsening, and eroding fast. Large habitat for bank swallows. 2011 - Some new minor erosion. 2012 - Minor new erosion. 2015: No observed changes. [2015 Site ID: SAC_116-5_L]



USACE 2013 Photo #1

LM Start	31.54	Rating **	A/W	Issue No.		86		
LM End	31.54	.54 Issue Type + Ma Location *		Location *		Location *		LS
Category	Earthen Levee			GPS Latitude/Longitude				
Calegory			Start		End			
Item	Encroach	ments		39.0066	87°	39.006687°		
item			-121.8149	67°	-121.814967 °			
DWR ID	DWR_RD1	500_01_s _ 201	6_86					

Comment Code

MW: Monitoring Well

Inspector Comment

UCIP installed this monitoring station for seepage in the area. Monitor for vandilism or damagePN: (18630).

Photo 1 of 2: SP_2018_RD1500_189_86_20180306_00045.jpg



View of the pizometer on the landward side of the levee. Spring 2016.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/27/2018 03/28/2018	Zach Jojola

LM Start	31.54	Rating **	A/W	Issue No.	86 (cont)		
LM End	31.54	Issue Type +	Ma	Location *	LS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Encroach	ments		39.0066	87°	39.006687 °	
пеш		-121.814967 ° -121.81496					
DWR ID	DWR_RD1	500_01_s _ 201	6_86				
		Comn	nent Cod	le			
MW : Mon	itoring We	II					
Inspector Comment							
UCIP installed this monitoring station for seepage in the area. Monitor for vandilism or damagePN: (18630).							



The control unit for pizometers installed in 2012, photo taken spring 2012.

LM Start	32.98	Rating **	М	Issue No.		144		
LM End	32.98	Issue Type +	Ма	Location *		LS		
Category Earthen Levee				GPS La	atitud	le/Longitude		
Calegory				Start		End		
Item	Erosion /	Bank Caving		39.0207	82°	39.020782 °		
item			-121.8202	?75 °	-121.820275 °			
DWR ID DWR_RD1500_01_s _ 2017_144								
		Comn	nent Cod	le				
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spe	ction.		
		Inspecto	or Comm	nent				
Runoff ero	Runoff erosion on landside slope.							



View of erosion on landside slope. Spring 2017.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/27/2018 03/28/2018	Zach Jojola

LM Start	32.98	Rating **	М	Issue No.	107		
LM End	32.98	Issue Type +	Ma	Location *	LS		
Category	Earthen L	evee		GPS L	atitud	le/Longitude	
Calegory				Start		End	
Item	Animal Co	ontrol		39.0208	874°	39.020874°	
пеш				-121.820266 ° -121.82026			
DWR ID	DWR_RD1	500_01_f _ 201	6_107				
		Comn	nent Cod	de			
A3 : No ro compact o		le, but rodent rows.	burrows	visible; ne	ed to	backfill and	
		Inspecto	or Comm	nent			



View of rodent burrows on landside slope. Fall 2016.

32.99	Rating **	A/W	Issue No.	106		
32.99	Issue Type +	Ma	Location *	LS		
Category Earthen Levee					e/Longitude	
					End	
Erosion /	Bank Caving		39.0210	16°	39.021016°	
-121.820261 ° -121.8202						
DWR_RD1	500_01_f _ 201	6_106			·	
	Comn	nent Cod	le			
dule repair	of erosion site	e prior to	the next in	spe	ction.	
	Inspecto	or Comm	nent			
	32.99 Earthen L Erosion / I DWR_RD1:	32.99 Issue Type + Earthen Levee Erosion / Bank Caving DWR_RD1500_01_f_201 Comn dule repair of erosion site	32.99 Issue Type + Ma Earthen Levee Erosion / Bank Caving DWR_RD1500_01_f_2016_106 Comment Codule repair of erosion site prior to	32.99 Issue Type + Ma Location * Earthen Levee GPS Li Start Erosion / Bank Caving 39.0210 -121.8202 DWR_RD1500_01_f _ 2016_106 Comment Code	32.99 Issue Type + Ma Location * Earthen Levee GPS Latitud Start Erosion / Bank Caving 39.021016 ° -121.820261 ° DWR_RD1500_01_f_2016_106 Comment Code dule repair of erosion site prior to the next inspect	



View of erosion site on LS slope of the levee. Fall 2016.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/28/2018 03/28/2018	Zach Jojola

LM Start	0.07	Rating **	М	Issue No.	16			
LM End	9.97	Issue Type +	Ma	Location *	LS			
Category Earthen Levee			GPS La	atitud	e/Longitude			
Calegory				Start		End		
Item	Vegetatio	n		38.7618	38°	38.895132		
item				-121.673713 ° -121.63699				
DWR ID	DWR_RD1	500_02_s _ 201	8_16					
		Comn	nent Cod	le				
V1 : Contr	ol annual (grass and wee	ds on th	e levee slo	oes a	and		
easement	S.							
		Inspecto	or Comm	nent				



View of vegetation on the landside slope. Spring 2018.

LM Start	0.13	Rating **	М	Issue No.		39		
LM End	0.13	Issue Type +	Ma	Location *		LS		
Category Earthen Levee				GPS Latitude/Longitude				
Calegory	Calegory					End		
Item	Animal Co	ontrol		38.762429°		38.762429 °		
item				-121.6729	24 °	-121.672924°		
DWR ID	R ID DWR_RD1500_02_f _ 2017_39							
	Comment Code							

A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Rodent hole near landside toe.

Photo 1 of 1: SP_2018_RD1500_190_39_20180306_00010.jpg



View of rodent hole on landside slope. Fall 2017.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/28/2018 03/28/2018	Zach Jojola

LM Start	0.28	Rating **	M	Issue No.		20	
LM End	10.51	Issue Type +	Ма	Location *		WS	
Category Earthen Levee			GPS La	atitud	e/Longitude		
Category				Start		End	
Item	Vegetatio	n		38.7639	61 °	38.902897°	
item	-121.670960 ° -121.6						
DWR ID DWR_RD1500_02_s _ 2018_20							
		Comn	nent Cod	le			
V1 : Contro	ol annual g	grass and wee	ds on th	e levee slo	oes a	and	
easements	6.						
		Inspecto	or Comm	nent			

No Photos

LM Start	0.53	Rating **	С	Issue No.		40		
LM End	0.53	Issue Type +	Ма	Location *		WS		
Category Earthen Levee			GPS Latitude/Longitude					
Category				Start		End		
Item	Encroach	ments		38.7665	67°	38.766567 °		
item				-121.6677	49°	-121.667749 °		
DWR ID	DWR_RD1	500_02_f _ 201	7_40					
		Comn	nent Coc	le				
TR : Tree	or limb							
	Inspector Comment							
Fallen tree on waterside slope.								

No Photos

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/28/2018 03/28/2018	Zach Jojola

LM Start	1.92	Rating **	A/W	Issue No.		43
LM End	1.92	Issue Type +	Ма	Location *		
Category	Supplemental			GPS Latitude/Longitude		
Calegory	ory		Start		End	
Item	DWR UC	IP LMA Respo	onsibility	38.78386	55°	38.783865 °
пеш				-121.65517	o°	-121.655170°
DWR ID						

Comment Code

Inspector Comment

FS_ID:28886 DS ID:20020 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: Pumping plat was working during the field visit. Hydraulic gates on outfall structure. Motorized slide gates on waterside shoulder.

FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 3] 1 of 4: 72-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee, 35 feet below the crown. Two concrete cutoff walls. Pumps in concrete pumping plant on the landside (LS). Timber steps on the LS slope. Two service poles and anchors on the LS shoulder. Electrical control gates in a metal and concrete building on the waterside (WS) shoulder. Flap gates on the WS end. Installed by USACE in 1950. (Construction of a four compartment concrete gravity outlet conduit under the levee authorized under Permit No. 1284, 1948 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 129, June 1954, (Station 1227+00)].

FS Date: 1/21/2014

LM Start	1.92	Rating **	A/W	Issue No.	43 (cont)
LM End	1.92	Issue Type +	Ma	Location *	



WS view: CM shed for slide gate on levee shoulder (top) and outfall structure at levee toe (bottom).



Photo 2 of 3: UCIP_SP_2018_28886_53096.jpg



WS view: motorized slide gates in CM shed on levee shoulder.

Location Rating Issue Type LS: Land Side N/A: Not Applicable Ma: Maintenance Deficiancy N: Not Inspected/Rated A : Acceptable Minimally Acceptable Ob : Design & System Obsolescence WS: Water Side C: Corrected En: Enforcement CR: Crown U: Unacceptable A/W: Acceptable but Monitor & Maintain

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/28/2018 03/28/2018	Zach Jojola

LM Start	1.92	Rating **	A/W	Issue No.	43 (cont)	
LM End	1.92	Issue Type +	Ма	Location *		
Category	Suppleme	ental		GPS Latitude/Longitude		
Calegory				Start		End
Item	DWR UC	P LMA Respo	nsibility	38.78386	65 °	38.783865°
пеш				-121.6551	70°	-121.655170°
DWR ID						
Comment Code						

Inspector Comment

FS_ID:28886 DS_ID:20020 EP_NO: N/A

FS Date: 1/21/2014

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: Pumping plat was working during the field visit. Hydraulic gates on outfall structure. Motorized slide gates on waterside shoulder.

FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 3] 1 of 4: 72-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee, 35 feet below the crown. Two concrete cutoff walls. Pumps in concrete pumping plant on the landside (LS). Timber steps on the LS slope. Two service poles and anchors on the LS shoulder. Electrical control gates in a metal and concrete building on the waterside (WS) shoulder. Flap gates on the WS end. Installed by USACE in 1950. (Construction of a four compartment concrete gravity outlet conduit under the levee authorized under Permit No. 1284, 1948 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 129, June 1954, (Station 1227+00)].



LS view: pump house at the end of levee berm.

CR: Crown

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy

Ob : Design & System Obsolescence

En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/28/2018 03/28/2018	Zach Jojola

LM Start	1.92	Rating **	A/W	Issue No.		44
LM End	1.92	Issue Type +	Ма	Location *		
Category	Supplemental			GPS Latitude/Longitude		
Calegory	gory		Start		End	
Item	DWR UC	IP LMA Respo	onsibility	38.78388	5 °	38.783885 °
пеш				-121.65515	8°	-121.655158°
DWR ID						

Comment Code

Inspector Comment

FS_ID:28883 DS_ID:20027 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: Pumping plat was working during the field visit. Hydraulic gates on outfall structure. Motorized slide gates on waterside shoulder.

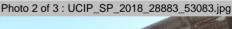
FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 3] 2 of 4: 72-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee, 35 feet below the crown. Two concrete cutoff walls. Pumps in concrete pumping plant on the landside (LS). Timber steps on the LS slope. Two service poles and anchors on the LS shoulder. Electrical control gates in a metal and concrete building on the waterside (WS) shoulder. Flap gates on the WS end. Installed by USACE in 1950. (Construction of a four compartment concrete gravity outlet conduit under the levee authorized under Permit No. 1284, 1948 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 129, June 1954, (Station 1227+00)].

FS Date: 1/21/2014

LM Start	1.92	Rating **	A/W	Issue No.	44 (cont)
LM End	1.92	Issue Type +	Ma	Location *	



WS view: CM shed for slide gate on levee shoulder (top) and outfall structure at levee toe (bottom).





WS view: motorized slide gates in CM shed on levee shoulder.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/28/2018 03/28/2018	Zach Jojola

LM Start	1.92	Rating **	A/W	Issue No.	44 (cont)		
LM End	1.92	Issue Type +	Ма	Location *			
Category	Suppleme	ental		GPS La	GPS Latitude/Longitude		
Calegory				Start		End	
Item	DWR UC	IP LMA Respo	onsibility	38.7838	85 °	38.783885 °	
пеш				-121.6551	58°	-121.655158°	
DWR ID							
Comment Code							

Inspector Comment

FS_ID:28883 DS_ID:20027 EP_NO: N/A

FS Date: 1/21/2014

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: Pumping plat was working during the field visit. Hydraulic gates on outfall structure. Motorized slide gates on waterside shoulder.

FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 3] 2 of 4: 72-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee, 35 feet below the crown. Two concrete cutoff walls. Pumps in concrete pumping plant on the landside (LS). Timber steps on the LS slope. Two service poles and anchors on the LS shoulder. Electrical control gates in a metal and concrete building on the waterside (WS) shoulder. Flap gates on the WS end. Installed by USACE in 1950. (Construction of a four compartment concrete gravity outlet conduit under the levee authorized under Permit No. 1284, 1948 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 129, June 1954, (Station 1227+00)].

Photo 3 of 3 : UCIP_SP_2018_28883_53084.jpg

LS view: pump house at the end of levee berm.

CR: Crown

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy

Ob : Design & System Obsolescence

En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/28/2018 03/28/2018	Zach Jojola

LM Start	1.92	Rating **	A/W	Issue No.		45
LM End	1.92	Issue Type +	Ма	Location *		
Category	Supplemental			GPS Latitude/Longitude		
Calegory				Start		End
Item	DWR UCI	P LMA Respo	onsibility	38.78390)4 °	38.783904 °
пеш				-121.65514	9°	-121.655149°
DWR ID						

Comment Code

Inspector Comment

FS_ID:28884 DS_ID:20028 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: Pumping plat was working during the field visit. Hydraulic gates on outfall structure. Motorized slide gates on waterside shoulder.

FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 3] 3 of 4: 72-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee, 35 feet below the crown. Two concrete cutoff walls. Pumps in concrete pumping plant on the landside (LS). Timber steps on the LS slope. Two service poles and anchors on the LS shoulder. Electrical control gates in a metal and concrete building on the waterside (WS) shoulder. Flap gates on the WS end. Installed by USACE in 1950. (Construction of a four compartment concrete gravity outlet conduit under the levee authorized under Permit No. 1284, 1948 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 129, June 1954, (Station 1227+00)].

 LM Start
 1.92
 Rating **
 A/W
 Issue No.
 45 (cont)

 LM End
 1.92
 Issue Type +
 Ma
 Location *



WS view: CM shed for slide gate on levee shoulder (top) and outfall structure at levee toe (bottom).



WS view: motorized slide gates in CM shed on levee shoulder.

Location Rating Issue Type LS: Land Side N/A: Not Applicable Ma: Maintenance Deficiancy N: Not Inspected/Rated : Acceptable Minimally Acceptable Ob : Design & System Obsolescence WS: Water Side C: Corrected CR: Crown U: Unacceptable A/W: Acceptable but Monitor & Maintain En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/28/2018 03/28/2018	Zach Jojola

LM Start	1.92	Rating **	A/W	Issue No.	45 (cont)		
LM End	1.92	Issue Type +	Ма	Location *			
Category				GPS Latitude/Longitude			
Calegory			Start		End		
DWR UCIP LMA Responsibility			38.783904°		38.783904 °		
пеш	em			-121.655149 °		-121.655149°	
DWR ID							
Comment Code							

Inspector Comment

FS_ID:28884 DS_ID:20028 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: Pumping plat was working during the field visit. Hydraulic gates on outfall structure. Motorized slide gates on waterside shoulder.

FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 3] 3 of 4: 72-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee, 35 feet below the crown. Two concrete cutoff walls. Pumps in concrete pumping plant on the landside (LS). Timber steps on the LS slope. Two service poles and anchors on the LS shoulder. Electrical control gates in a metal and concrete building on the waterside (WS) shoulder. Flap gates on the WS end. Installed by USACE in 1950. (Construction of a four compartment concrete gravity outlet conduit under the levee authorized under Permit No. 1284, 1948 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M

Manual 129, June 1954, (Station 1227+00)]. FS Date: 1/21/2014

Photo 3 of 3 : UCIP_SP_2018_28884_53099.jpg

LS view: pump house at the end of levee berm.

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Oh : Design & System Obsole

Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/28/2018 03/28/2018	Zach Jojola

LM Start	1.92	Rating **	A/W	Issue No.		46	
LM End	1.92	Issue Type +	Ма	Location *			
Category			GPS Latitude/Longitude				
Calegory			Start		End		
DWR UCIP LMA Responsibility				38.78392	24°	38.783924 °	
пеш				-121.65514	o Ol	-121.655140 °	
DWR ID							

Comment Code

Inspector Comment

FS_ID:28885 DS_ID:20029 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: Pumping plat was working during the field visit. Hydraulic gates on outfall structure. Motorized slide gates on waterside shoulder.

FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 3] 4 of 4: 72-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee, 35 feet below the crown. Two concrete cutoff walls. Pumps in concrete pumping plant on the landside (LS). Timber steps on the LS slope. Two service poles and anchors on the LS shoulder. Electrical control gates in a metal and concrete building on the waterside (WS) shoulder. Flap gates on the WS end. Installed by USACE in 1950. (Construction of a four compartment concrete gravity outlet conduit under the levee authorized under Permit No. 1284, 1948 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 129, June 1954, (Station 1227+00)].

FS Date: 1/21/2014

LM Start	1.92	Rating **	A/W	Issue No.	46 (cont)
LM End	1.92	Issue Type +	Ma	Location *	



WS view: CM shed for slide gate on levee shoulder (top) and outfall structure at levee toe (bottom).



WS view: motorized slide gates in CM shed on levee shoulder.

Location Rating Issue Type LS: Land Side N/A: Not Applicable Ma: Maintenance Deficiancy N: Not Inspected/Rated : Acceptable Minimally Acceptable Ob : Design & System Obsolescence WS: Water Side C: Corrected En: Enforcement CR: Crown U: Unacceptable A/W: Acceptable but Monitor & Maintain

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/28/2018 03/28/2018	Zach Jojola

LM Start	1.92	Rating **	A/W	Issue No.	46 (cont)		
LM End	1.92	Issue Type +	Ма	Location *			
Category				GPS Latitude/Longitude			
Calegory			Start		End		
DWR UCIP LMA Responsibility				38.783924°		38.783924°	
пеш	tem				40 °	-121.655140 °	
DWR ID	ID						
Comment Code							

Inspector Comment

FS_ID:28885 DS ID:20029 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: Pumping plat was working during the field visit. Hydraulic gates on outfall structure. Motorized slide gates on waterside shoulder.

FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 3] 4 of 4: 72-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee, 35 feet below the crown. Two concrete cutoff walls. Pumps in concrete pumping plant on the landside (LS). Timber steps on the LS slope. Two service poles and anchors on the LS shoulder. Electrical control gates in a metal and concrete building on the waterside (WS) shoulder. Flap gates on the WS end. Installed by USACE in 1950. (Construction of a four compartment concrete gravity outlet conduit under the levee authorized under Permit No. 1284, 1948 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M

Manual 129, June 1954, (Station 1227+00)]. FS Date: 1/21/2014

Photo 3 of 3: UCIP_SP_2018_28885_53093.jpg

LS view: pump house at the end of levee berm.

CR: Crown

N: Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain Issue Type

Ma: Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/28/2018 03/28/2018	Zach Jojola

LM Start	1.93	Rating **	A/W	Issue No.		47
LM End	1.93	Issue Type +	Ma	Location *		
Category	Suppleme	ental		GPS Lat	itud	le/Longitude
Calegory				Start		End
Item	DWR UC	IP LMA Respo	onsibility	38.78409	7°	38.784097 °
пеш				-121.65507	3°	-121.655073 °
DWR ID						

Inspector Comment

Comment Code

FS_ID:28954 DS_ID:20019 EP_NO: 10088

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: USED Bench Mark on concrete structure at waterside

shoulder.

FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 2] 1 of 3: 48-inch by 48-inch reinforced concrete box drainage discharge conduit under the levee, 37 feet below the crown. Two concrete cutoff walls. Pumps in concrete pumping plant on the landside (LS). Slide gates mounted on a concrete structure on the waterside (WS) slope. Discharges in borrow pit. Flap gates on the WS end. (48-inch by 48-inch reinforced concrete box drainage discharge conduit under the levee and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10088, 1974 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 129, June 1954, (Station 1226+00)]. FS Date: 1/21/2014

LM Start	1.93	Rating **	A/W	Issue No.	47 (cont)
LM End	1.93	Issue Type +	Ma	Location *	



WS view: U type concrete headwall and flap gates on levee toe.

Photo 2 of 3: UCIP_SP_2018_28954_53259.jpg



WS view: concrete surge structure on waterside shoulder.

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma: Maintenance Deficiancy

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/28/2018 03/28/2018	Zach Jojola

LM Start	1.93	Rating **	A/W	Issue No.	lo. 47 (cont)			
LM End	1.93	Issue Type +	Ma	Location *				
Category	Suppleme	ental		GPS La	atitud	le/Longitude		
Calegory			Start		End			
Item	DWR UC	IP LMA Respo	onsibility	38.7840	97°	38.784097 °		
пеш				-121.6550	73 °	-121.655073 °		
DWR ID								
	Comment Code							

Inspector Comment

FS_ID:28954 DS_ID:20019 EP_NO: 10088

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: USED Bench Mark on concrete structure at waterside

shoulder.

FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 2] 1 of 3: 48-inch by 48-inch reinforced concrete box drainage discharge conduit under the levee, 37 feet below the crown. Two concrete cutoff walls. Pumps in concrete pumping plant on the landside (LS). Slide gates mounted on a concrete structure on the waterside (WS) slope. Discharges in borrow pit. Flap gates on the WS end. (48-inch by 48-inch reinforced concrete box drainage discharge conduit under the levee and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10088, 1974 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 129, June 1954, (Station 1226+00)]. FS Date: 1/21/2014



WS view: USED Bench Mark on concrete structure on levee shoulder.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/28/2018 03/28/2018	Zach Jojola

LM Start	1.93	1.93 Rating ** A/W		Issue No.		48
LM End	1.93	Issue Type +	Ма	Location *		
Category	Supplemental				tituc	le/Longitude
Calegory						End
Item	DWR UCI	P LMA Respo	onsibility	38.78411	1 °	38.784111 °
пеш				-121.65506	67°	-121.655067 °
DWR ID						

Comment Code

Inspector Comment

FS_ID:28955 DS ID:20025 EP_NO: 10088

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: USED Bench Mark on concrete structure at levee

shoulder

FIELD STRUCT DESC: [Reclamation District No. 1500, Pumping Plant No. 2] 2 of 3: 48-inch by 48-inch reinforced concrete box drainage discharge conduit under the levee, 37 feet below the crown. Two concrete cutoff walls. Pumps in concrete pumping plant on the landside (LS). Slide gates mounted on a concrete structure on the waterside (WS) slope. Discharges in borrow pit. Flap gates on the WS end. (48inch by 48-inch reinforced concrete box drainage discharge conduit under the levee and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10088, 1974 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 129, June 1954, (Station 1226+00)]. FS Date: 1/21/2014

LM Start	1.93	Rating **	A/W	Issue No.	48 (cont)
LM End	1.93	Issue Type +	Ma	Location *	



WS view: U type concrete headwall and flap gates on levee toe.

Photo 2 of 3: UCIP_SP_2018_28955_53263.jpg



WS view: concrete surge structure on waterside shoulder.

Minimally Acceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain Issue Type

Ma: Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/28/2018 03/28/2018	Zach Jojola

LM Start	1.93	Rating **	A/W	Issue No.	48 (cont)			
LM End	1.93	Issue Type +	Ма	Location *				
Category	Suppleme	ental		GPS La	titud	le/Longitude		
Calegory				Start		End		
Item	DWR UC	IP LMA Respo	onsibility	38.7841	11°	38.784111 °		
пеш				-121.6550	67°	-121.655067°		
DWR ID								
	Comment Code							

Inspector Comment

FS_ID:28955 DS_ID:20025 EP_NO: 10088

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: USED Bench Mark on concrete structure at levee

shoulder.

FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 2] 2 of 3: 48-inch by 48-inch reinforced concrete box drainage discharge conduit under the levee, 37 feet below the crown. Two concrete cutoff walls. Pumps in concrete pumping plant on the landside (LS). Slide gates mounted on a concrete structure on the waterside (WS) slope. Discharges in borrow pit. Flap gates on the WS end. (48-inch by 48-inch reinforced concrete box drainage discharge conduit under the levee and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10088, 1974 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 129, June 1954, (Station 1226+00)]. FS Date: 1/21/2014



WS view: USED Bench Mark on concrete structure at levee shoulder.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/28/2018 03/28/2018	Zach Jojola

LM Start	1.93	Rating ** A/W		Issue No.		49
LM End	1.93	Issue Type +	Ма	Location *		
Category	Supplemental			GPS La	titud	le/Longitude
Calegory						End
Item	DWR UCI	P LMA Respo	onsibility	38.78412	27°	38.784127 °
пеш				-121.65505	57°	-121.655057 °
DWR ID						

Comment Code

Inspector Comment

FS_ID:28956 DS_ID:20026 EP_NO: 10088

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: USED Bench Mark on concrete structure at waterside

shoulder.

FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 2] 3 of 3: 48-inch by 48-inch reinforced concrete box drainage discharge conduit under the levee, 37 feet below the crown. Two concrete cutoff walls. Pumps in concrete pumping plant on the landside (LS). Slide gates mounted on a concrete structure on the waterside (WS) slope. Discharges in borrow pit. Flap gates on the WS end. (48-inch by 48-inch reinforced concrete box drainage discharge conduit under the levee and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10088, 1974 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 129, June 1954, (Station 1226+00)]. FS Date: 1/21/2014

LM Start	1.93	Rating **	A/W	Issue No.	49 (cont)
LM End	1.93	Issue Type +	Ma	Location *	



WS view: U type concrete headwall and flap gates on levee toe.

Photo 2 of 3: UCIP_SP_2018_28956_53268.jpg



WS view: U type concrete headwall and flap gates on levee toe.

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Issue Type

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/28/2018 03/28/2018	Zach Jojola

LM Start	1.93	Rating **	A/W	Issue No.	49 (cont)		
LM End	1.93	Issue Type +	Ma	Location *			
Category	Suppleme	GPS La	atitud	le/Longitude			
Calegory				Start		End	
Item	DWR UC	onsibility	38.7841	27°	38.784127 °		
пеш				-121.6550	57°	-121.655057 °	
DWR ID							
Comment Code							

Inspector Comment

FS_ID:28956 DS_ID:20026 EP_NO: 10088

FS Date: 1/21/2014

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: USED Bench Mark on concrete structure at waterside shoulder.

FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 2] 3 of 3: 48-inch by 48-inch reinforced concrete box drainage discharge conduit under the levee, 37 feet below the crown. Two concrete cutoff walls. Pumps in concrete pumping plant on the landside (LS). Slide gates mounted on a concrete structure on the waterside (WS) slope. Discharges in borrow pit. Flap gates on the WS end. (48-inch by 48-inch reinforced concrete box drainage discharge conduit under the levee and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10088, 1974 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 129, June 1954, (Station 1226+00)].

Photo 3 of 3: UCIP_SP_2018_28956_53267.jpg



WS view: USED Bench Mark on concrete structure at levee shoulder.

CR: Crown

Rating

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma: Maintenance Deficiancy

Ob: Design & System Obsolescence

En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/28/2018 03/28/2018	Zach Jojola

LM Start	1.98	Rating **	A/W	Issue No.		50
LM End	1.98	Issue Type +	Ма	Location *		
Category			GPS Latitude/Longitude			
Calegory				Start		End
Item	DWR UCIP LMA Responsibility		onsibility	38.78478	33 °	38.784783 °
пеш				-121.65479	91 °	-121.654791 °
DWR ID						

Comment Code

Inspector Comment

FS_ID:28891 DS_ID:20088 EP_NO: 10088

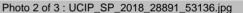
Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: Pumping plant was working during the field visit. Three 8.5 ft. X 8.5 ft. concrete box on waterside shoulder. FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 1] 1 of 3: 84-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee, 24 feet below the crown. Pumps in concrete pumping plant on the landside (LS). Slide gates mounted on a concrete structure on the waterside (WS) slope. Discharges in a concrete spillway and the borrow pit. Ramp on the WS slope. (84-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10088, 1974 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 129, June 1954, (Station 1224+75), three 78-inch concrete conduits referenced].

LM Start	1.98	Rating **	A/W	Issue No.	50 (cont)
LM End	1.98	Issue Type +	Ma	Location *	



WS view: slide gate in concrete box on levee shoulder.





WS view: inside view of concrete box on levee shoulder.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/28/2018 03/28/2018	Zach Jojola

LM Start	1.98	Rating **	A/W	Issue No.	50 (cont)		
LM End	1.98	Issue Type +	Ма	Location *			
Category	Suppleme	GPS Latitude/Longitude					
Calegory			Start		End		
ltom	DWR UC	nsibility	38.78478	3°	38.784783°		
Item			-121.65479	11 °	-121.654791 °		
DWR ID							
Comment Code							

Inspector Comment

FS_ID:28891 DS_ID:20088 EP_NO: 10088

FS Date: 1/21/2014

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: Pumping plant was working during the field visit. Three 8.5 ft. X 8.5 ft. concrete box on waterside shoulder. FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 1] 1 of 3: 84-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee, 24 feet below the crown. Pumps in concrete pumping plant on the landside (LS). Slide gates mounted on a concrete structure on the waterside (WS) slope. Discharges in a concrete spillway and the borrow pit. Ramp on the WS slope. (84-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10088, 1974 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 129, June 1954, (Station 1224+75), three 78-inch concrete conduits referenced].

Photo 3 of 3: UCIP_SP_2018_28891_53135.jpg



WS view: outfall structure on levee toe and concrete box on levee shoulder.

CR: Crown

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy

Ob : Design & System Obsolescence

En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/28/2018 03/28/2018	Zach Jojola

LM Start	1.98	Rating **	A/W	Issue No.		51	
LM End	1.98	Issue Type +	Ма	Location *			
Supplemental				GPS Latitude/Longitude			
Category				Start		End	
Item	DWR UC	IP LMA Respo	onsibility	38.78481	8 °	38.784818 °	
пеш				-121.65477	'8°	-121.654778 °	
DWR ID							

Comment Code

Inspector Comment

FS_ID:28892 DS ID:20092 EP_NO: 10088

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: Pumping plant was working during the field visit. Three 8.5 ft. X 8.5 ft. concrete box on waterside shoulder. FIELD STRUCT DESC: [Reclamation District No. 1500, Pumping Plant No. 1] 2 of 3: 84-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee, 24 feet below the crown. Pumps in concrete pumping plant on the landside (LS). Slide gates mounted on a concrete structure on the waterside (WS) slope. Discharges in a concrete spillway and the borrow pit. Ramp on the WS slope. (84-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10088, 1974 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 129, June 1954, (Station 1224+75), three 78inch concrete conduits referenced]. FS Date: 1/21/2014

LM Start	1.98	Rating **	A/W	Issue No.	51 (cont)
LM End	1.98	Issue Type +	Ma	Location *	



WS view: outfall structure on levee toe and concrete box on levee shoulder.

Photo 2 of 3: UCIP_SP_2018_28892_53146.jpg



WS view: slide gate in concrete box on levee shoulder.

: Acceptable Minimally Acceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain Issue Type Ma: Maintenance Deficiancy Ob : Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/28/2018 03/28/2018	Zach Jojola

LM Start	1.98	Rating **	A/W	Issue No.	51 (cont)			
LM End	1.98	Issue Type +	Ма	Location *				
Category	Supplemental Supplemental			GPS Latitude/Longitude				
Calegory				Start		End		
Item	DWR UC	P LMA Respo	nsibility	38.7848	18°	38.784818°		
item				-121.6547	78 °	-121.654778°		
DWR ID								
	Comment Code							

Inspector Comment

FS_ID:28892 DS_ID:20092 EP_NO: 10088

FS Date: 1/21/2014

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: Pumping plant was working during the field visit. Three 8.5 ft. X 8.5 ft. concrete box on waterside shoulder. FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 1] 2 of 3: 84-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee, 24 feet below the crown. Pumps in concrete pumping plant on the landside (LS). Slide gates mounted on a concrete structure on the waterside (WS) slope. Discharges in a concrete spillway and the borrow pit. Ramp on the WS slope. (84-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10088, 1974 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 129, June 1954, (Station 1224+75), three 78-inch concrete conduits referenced].

Photo 3 of 3: UCIP_SP_2018_28892_53145.jpg

WS view: inside view of concrete box on levee shoulder.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/28/2018 03/28/2018	Zach Jojola

LM Start	1.99	Rating **	A/W	Issue No.	52		
LM End	1.99	Issue Type +	Ма	Location *			
Category	Supplemental			GPS Latitude/Longitude			
Calegory			Start E			End	
Item	DWR UCI	P LMA Respo	nsibility	38.7848	56°	38.784856 °	
пеш				-121.6547	62 °	-121.654762 °	
DWR ID							
Comment Code							

Inspector Comment

FS_ID:28893 DS_ID:20093 EP_NO: 10088

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: Pumping plant was working during the field visit. Three 8.5 ft. X 8.5 ft. concrete box on waterside shoulder. FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 1] 3 of 3: 84-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee, 24 feet below the crown. Pumps in concrete pumping plant on the landside (LS). Slide gates mounted on a concrete structure on the waterside (WS) slope. Discharges in a concrete spillway and the borrow pit. Ramp on the WS slope. (84-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10088, 1974 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 129, June 1954, (Station 1224+75), three 78-inch concrete conduits referenced].

LM Start	1.99	Rating **	A/W	Issue No.	52 (cont)
LM End	1.99	Issue Type +	Ma	Location *	



WS view: slide gate in concrete box on levee shoulder.

Photo 2 of 3: UCIP_SP_2018_28893_53156.jpg



WS view: inside view of concrete box on levee shoulder.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/28/2018 03/28/2018	Zach Jojola

LM Start	1.99	Rating **	A/W	Issue No.	52 (cont)	
LM End	1.99	Issue Type +	Ма	Location *		
Category Supplemental			GPS Latitude/Longitude			
Calegory				Start		End
Itom	DWR UCI	P LMA Respo	nsibility	38.78485	6°	38.784856
item	Item			-121.65476	2 °	-121.654762
DWR ID						

Comment Code

Inspector Comment

FS_ID:28893 DS_ID:20093 EP_NO: 10088

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: Pumping plant was working during the field visit. Three 8.5 ft. X 8.5 ft. concrete box on waterside shoulder. FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 1] 3 of 3: 84-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee, 24 feet below the crown. Pumps in concrete pumping plant on the landside (LS). Slide gates mounted on a concrete structure on the waterside (WS) slope. Discharges in a concrete spillway and the borrow pit. Ramp on the WS slope. (84-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10088, 1974 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 129, June 1954, (Station 1224+75), three 78-inch concrete conduits referenced].



WS view: outfall structure on levee toe and concrete box on levee shoulder.

LM Start	4.47	Rating **	М	Issue No.		42	
LM End	4.47	Issue Type +	Ma	Location *	WS		
Category Earthen Levee				GPS Latitude/Longitude			
Category				Start End		End	
Item	Encroach	ments		38.8198	37°	38.819837°	
пеш				-121.6634	33 °	-121.663433 °	
DWR ID DWR_RD1500_02_f _ 2017_42							
Comment Code							

DE : Debris

Inspector Comment

Refrigerator on waterside slope.

No Photos

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/28/2018 03/28/2018	Zach Jojola

LM Start	4.59	Rating **	М	Issue No.		41		
LM End	4.59	Issue Type +	Ma	Location *		WS		
Cotogony	Earthen L	evee		GPS La	atitud	e/Longitude		
Category				Start		End		
Item	Encroach	ments	38.8215	37°	38.821537°			
пеш				-121.663656 °		-121.663656 °		
DWR ID	DWR_RD1	500_02_f _ 201	7_41					
		Comn	nent Cod	le				
DE : Debri	S							
		Inspecto	or Comm	nent				
Refrigerato	Refrigerator on waterside slope.							

No Photos

LM Start	14.13	Rating **	U	Issue No.	4		
LM End	14.13	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS Latitude/Longitude			
Calegory				Start		End	
Item	Underseepage Relief Wells			38.9476	28°	38.947628	
пеш					-121.669764		
DWR ID	DWR_RD1	500_02_s _ 201	2_4				
		Comn	nent Cod	le			
		Inspecto	or Comm	nent			

Concrete pad and PVC underneath is broken.

Photo 1 of 3: SP_2018_RD1500_190_4_20180306_00001.jpg



View of underseepage relief well. Concrete pad as well as PVC pipes underneath are destroyed apparently by an attempt to pull out the head of the well. Fall 2016.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/28/2018 03/28/2018	Zach Jojola

		II.					
LM Start	14.13	Rating **	U	Issue No.		4 (cont)	
LM End	14.13	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Category				Start		End	
Item	Undersee	/ells	38.9476	28°	38.947628 °		
item	-121.669764 ° -121					-121.669764 °	
DWR ID DWR_RD1500_02_s _ 2012_4							
		Comn	nent Cod	le			
Inspector Comment							
Concrete p	oad and P\	C underneatl	h is brok	en.			

LM Start	14.13	Rating **	U	Issue No.	4 (cont)
LM End	14.13	Issue Type +	Ма	Location *	LS



Another view of damaged well. Fall 2016.

Photo 3 of 3: SP_2018_RD1500_190_4_20180306_00003.jpg



View of the relief well at historical boil 12. Fall 2015.

LM Start	14.47	Rating **	A/W	Issue No.		11
LM End	14.47	Issue Type +	Ma	Location *		LS
Category	Earthen L	evee		GPS L	atitud	e/Longitude
Calegory				Start		End
Item	Undersee	page Relief W	/ells	38.9514	13°	38.951413 °
пеш				-121.673856 °		-121.673856 °
DWR ID DWR_RD1500_02_s _ 2012_11						
		Comn	nent Cod	le		
		Inspecto	or Comm	nent		



A relief well at historical boil 16. Fall 2015.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/28/2018 03/28/2018	Zach Jojola

LM Start	17.85	Rating **	M	Issue No.		21		
LM End	20.71	Issue Type +	Ma	Location *		LS		
Cotogony	Earthen L	evee		GPS La	atitud	e/Longitude		
Category				Start		End		
Item	Vegetatio	n		38.9836	69°	39.021232 °		
item				-121.720995 °		-121.741100 °		
DWR ID DWR_RD1500_02_s _ 2018_21								
		Comn	nent Cod	de				
V1 : Contro	ol annual g	rass and wee	ds on th	e levee slo	pes a	and		
easements	S.							
		Inspecto	or Comm	nent				

No Photos

LM Start	17.85	Rating **	М	Issue No.		22
LM End	20.71	Issue Type +	Ма	Location *		WS
Cotagon Earthen Levee				GPS Latitude/Longitude		
Calegory	Category					End
Item	Vegetatio	Vegetation			9°	39.021232 °
пеш				-121.72099	6°	-121.741100 °
DWR ID DWR_RD1500_02_s _ 2018_22						

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

No Photos

LM Start	18.17	Rating **	A/W	Issue No.		13		
LM End	18.17	Issue Type +	Ма	Location *		LS		
Category Earthen Levee				GPS La	atitud	le/Longitude		
Calegory				Start		End		
Item	Underseepage Relief Wells			38.987031 °		38.987031 °		
пеш				-121.7250	49°	-121.725049 °		
DWR ID	DWR_RD1	500_02_s _ 201	2_13					
		Comn	nent Cod	de				
		Inspecto	or Comm	nent				



Two of four drains on the landward side of the levee. Fall 2015.

* Location

LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

** Rating

A: Acceptable N: Not Inspected/Rated M: Minimally Acceptable C: Corrected A/W: Acceptable but Monitor & Maintain

** Rating

A: Acceptable N: Not Inspected/Rated Ma: Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/28/2018 03/28/2018	Zach Jojola

LM Start	18.17	Rating **	A/W	Issue No.		13 (cont)
LM End	18.17	Issue Type +	Ма	Location *		LS
Cotogony	Earthen L	evee		GPS La	atitud	le/Longitude
Category				Start		End
Item	Undersee	page Relief W	/ells	38.9870	31 °	38.987031 °
item				-121.725049°		-121.725049°
DWR ID DWR_RD1500_02_s _ 2012_13						
		Comn	nent Cod	de		
		Inspecto	or Comm	nent		
		Порсск	or Comm	ion		



View of the 4 drains at the levee toe on the landward side. Fall 2015.

LM Start	18.43	Rating **	A/W	Issue No.		15
LM End	18.43	Issue Type +	Ма	Location *		LS
Category	Earthen L	evee		GPS L	atitud	e/Longitude
Calegory				Start		End
Item	Undersee	/ells	38.9899	62°	38.989962 °	
item				-121.727896 °		-121.727896°
DWR ID DWR_RD1500_02_s _ 2015_15						
		Comn	nent Cod	le		
		Inspecto	or Comm	nent		



View of the toe drainage at the landward toe berm. Fall 2015.